

AMENDMENTS TO THE CLAIMS

Claims 1 to 20 (Cancelled)

21. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:

(a) an isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 541 of SEQ ID NO:2; and

(b) an isolated polynucleotide encoding a polypeptide comprising amino acids 2 to 541 of SEQ ID NO:2.

22. (New) The isolated nucleic acid molecule of claim 21, wherein said polynucleotide is (a).

23. (New) The isolated nucleic acid molecule of claim 22, wherein said polynucleotide comprises of nucleotides 153 to 1775 of SEQ ID NO:1.

24. (New) The isolated nucleic acid molecule of claim 21, wherein said polynucleotide is (b).

25. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide comprises nucleotides 156 to 1775 of SEQ ID NO:1.

26. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 21.

27. (New) An isolated recombinant host cell comprising the vector sequence of claim 26.

28. (New) A method of making an isolated polypeptide comprising:

(a) culturing the isolated recombinant host cell of claim 27 under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.

29. (New) The isolated polynucleotide of claim 21 wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence.

30. (New) The isolated polynucleotide of claim 31 wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide.

31. (New) The isolated polynucleotide of claim 32 wherein said heterologous polypeptide is the Fc domain of human immunoglobulin.

32. (New) An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence that is at least 80.0% identical to a polynucleotide sequence provided in claim 21, wherein percent identity is calculated using a CLUSTALW global sequence alignment using default parameters.
33. (New) An isolated nucleic acid molecule comprising a polynucleotide that is at least 80.0% identical to amino acids 2 to 541 of SEQ ID NO:2, wherein percent identity is calculated using a CLUSTALW global sequence alignment using default parameters.
34. (New) An isolated polynucleotide encoding a polypeptide comprising at least 50 contiguous amino acids of SEQ ID NO:2.
35. (New) The isolated nucleic acid molecule of claim 34, wherein said polynucleotide comprises at least 150 contiguous nucleotides of SEQ ID NO:1.
36. (New) An isolated nucleic acid molecule comprising the cDNA clone contained in plasmid BGS-42 clone A in ATCC Deposit No. PTA-4454.
37. (New) An isolated nucleic acid molecule comprising the cDNA clone contained in plasmid BGS-42 clone B in ATCC Deposit No. PTA-4454.
38. (New) An isolated nucleic acid molecule comprising the cDNA clone contained in plasmid BGS-42 clone C in ATCC Deposit No. PTA-4454.
39. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 73 to 365 of SEQ ID NO:2.
40. (New) The isolated nucleic acid molecule of claim 39, wherein said polynucleotide comprises nucleotides 369 to 1247 of SEQ ID NO:1.
41. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 133 to 374 of SEQ ID NO:2.
42. (New) The isolated nucleic acid molecule of claim 41, wherein said polynucleotide comprises nucleotides 549 to 1274 of SEQ ID NO:1.
43. (New) An isolated polynucleotide which represents the complementary sequence of (a), or (b) of claim 21.
44. (New) The isolated nucleic acid molecule of claim 21 operatively linked to nucleotides 1 to 2057 of SEQ ID NO:27.
45. (New) The isolated nucleic acid molecule of claim 44 wherein at least one nucleotide within the CpG island regions encompassed by nucleotides 90 to 312, 836 to 1122, and 1331 to 1589

of SEQ ID NO:27 are mutated such that at least one or more of the CpG islands contained therein are not capable of being methylated or are at least methylated to a lesser extent than the non-mutated sequence.

46. (New) The isolated nucleic acid molecule of claim 44 wherein at least one CpG island region encompassed by nucleotides 90 to 312, 836 to 1122, and 1331 to 1589 of SEQ ID NO:27 is deleted.

47. (New) An isolated nucleic acid molecule comprising nucleotides 1 to 2057 of SEQ ID NO:27.

48. (New) An isolated nucleic acid molecule comprising the nucleotide sequence provided as SEQ ID NO:9.

49. (New) An isolated nucleic acid molecule comprising the nucleotide sequence provided as SEQ ID NO:10.

50. (New) An isolated nucleic acid molecule comprising the nucleotide sequence provided as SEQ ID NO:11.

51. (New) An isolated nucleic acid comprising a polynucleotide encoding amino acids 2 to 541 of SEQ ID NO:2, wherein the amino acid located at amino acid position 515 is a glutamic acid.

52. (New) An isolated nucleic acid comprising a polynucleotide encoding amino acids 2 to 541 of SEQ ID NO:2, wherein the amino acid located at amino acid position 524 is a serine.

53. (New) An isolated polynucleotide encoding a polypeptide comprising at least 394 contiguous amino acids of SEQ ID NO:2.

54. (New) The isolated nucleic acid molecule of claim 53, wherein said polynucleotide comprises at least 1182 contiguous nucleotides of SEQ ID NO:1.

55. (New) An isolated polynucleotide that hybridizes under stringent conditions to the polynucleotide provided in Claim 1, wherein said stringent conditions are as follows: an overnight incubation at 42 degree C in a solution comprising 50% formamide, 5x SSC (750 mM NaCl, 75 mM trisodium citrate), 50 mM sodium phosphate (pH 7.6), 5x Denhardt's solution, 10% dextran sulfate, and 20 µg/ml denatured, sheared salmon sperm DNA, followed by washing the filters in 0.1x SSC at about 65 degree C.; and wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide sequence of only A residues or of only T residues.